AUSTRALIAN PATENT OFFICE
SEARCH REPORT

Applicant's or agent's file reference 6189AU1 (519885SG)		
Application No. **SG 200005086-4**	Application Filing Date *(day/month/year)* 07 September 2000	(Earliest) Priority Date *(day/month/year)* 10 September 1999
Applicant NEC CORPORATION		

This search report consists of a total of 5 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

☐ **Certain claims were found unsearchable** (See Box I)

2. ☐ **Unity of invention is lacking** (See Box II)

3. ☐ The application contains disclosure of a **nucleotide and/or amino acid sequence listing** and the search was carried out on the basis of the sequence listing

   ☐ filed with the application

   ☐ furnished by the applicant separately from the application,

   ☐ but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in application as filed

4. With regard to the **title,**

   ☒ the text is approved as submitted by the applicant.

   ☐ the text has been established by this Office to read as follows:

5. With regard to the **abstract,**

   ☐ the text is approved as submitted by the applicant

   ☒ the text has been established by this Office as it appears in Box III

6. The figure of the **drawings** to be published with the abstract is Figure No. 5

   ☒ as suggested by the applicant.

   ☐ because the applicant failed to suggest a figure

   ☐ because this figure better characterises the invention

   ☐ None of the figures

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Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

An XY stage comprises a base (1), a movable table (5) which is disposed on the base (1) so as to be movable in an X direction and a Y direction in an X-Y plane, and a work member (10) which is provided on the movable table (5). The XY stage further comprises: a first linear motor (6) for giving a driving force in the X direction to the movable table (5) at the same height as the centre of gravity of a movable section composed of the movable table (5) and the work member (10); and a second linear motor (7) for giving a driving force in the Y direction to the movable table (5) at the same height as the centre of the movable section. The centre-of-gravity driving ensures that substantially no moment of force is generated, and this reduces unwanted vibrations in a yawing direction.

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A. CLASSIFICATION OF SUBJECT MATTER

According to International Patent Classification (IPC)

Int. Cl. [7] H01L 21/68, B23Q 15/24

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the search (name of data base and, where practicable, search terms used)

DWPI, /ic f16f-015/02 or h01l-021 or g03f-007/20 or g03b-027 or g12b-005/00 or g05d-003/00 or h02k-041 or b23q or g05b, (stage or table or platform or base+ or frame or holder or support or jig) (s) (motor? or engine? or driv+ or VCM or mov+ or adjust+), cent+ (s) gravity, height or level or position+ or elevation or location, driv+ or mov+ or shift+ or push+ or position+ or act+ or impart+, XY or X-Y or +direction or +axis or +coordinate? or +plane, vibrat+ or oscillat+ or +frequenc+ or +stab+ or shak+ or reciproca+ or steady

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5874820 A (LEE) 23 February 1999 Abstract, figures 1-2, column 1 lines 38-41, column 2 lines 22-26 and 46-50, column 5 lines 25-49	1-3, 5, 9
X	US 5942871 A (LEE) 24 August 1999 Column 6 lines 1-3, figure 1C	1, 9

[X] Further documents are listed in the continuation of Box C

[X] See patent family annex

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of submission of the request to the Australian Patent Office	Date of completion of the search report	Date of mailing of the search report
23 December 2002	30 January 2003	11 FEB 2003

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C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Derwent Abstract Accession No 95-197426/26, Class U11, JP 7115053 A (CANON KK) 02 May 1995 Abstract	1-3, 5, 9
X	Derwent Abstract Accession Number 89-293416/41, Class S01, S02, DD 267830 A (VEB CARL ZEISS JENA) 10 May 1989 Abstract	1
X	Derwent Abstract Accession Number 97-544736/50, Class P56, JP 09262727 A (MORI SEIKI SEISAKUSHO KK) 07 October 1997 Abstract and drawing	1, 5, 9
X	Derwent Abstract Accession Number 87-000955/01, Class P84, DE 3620969 A (CANON KK) 02 January 1987 Abstract	1
P, X	US 5962937A (WAVRE) 05 October 1999 Abstract, figures 1-3, column 1 lines 16-19, column 3 lines 28-37, column 5 lines 1-8 and 14-21, Claims 3, 4, 10 and 12.	1-5, 9, 19, 20, 23
X	Derwent Abstract Accession Number 99-156433/14, Class P84, GB 2329518 A (NIKON CORP), 24 March 1999 Abstract and drawing	1, 5, 9

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SEARCH REPORT **PATENT FAMILY MEMBERS**

Application No.
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Patent Document Cited in Search Report		Patent Family Member					
US	5874820	JP	8330224	US	6008500	US	6020710
		US	6087797	US	6150787	US	6151105
		US	6175404	US	6188195	US	6246202
		US	2001019250	US	2002017889		
US	5942871	GB	2288277	JP	8166475	US	5528118
		US	5744924	US	5982128	US	6049186
		US	6271640	US	6281654	US	2001030522
JP	7115053	NONE					
DD	267830	NONE					
JP	9262727	NONE					
DE	3620969	JP	61293739	US	4854444	JP	61293744
		JP	61293743	JP	61293742		
US	5962937	CH	691719	IL	123882	JP	11008263
GB	2329518	GB	2290658	GB	2325563	GB	2325564
		GB	2325565	GB	2325566	GB	2329067
		GB	2329516	GB	2329517	GB	2329519
		GB	2329520	GB	2329521	GB	2329522
		HK	1017824	HK	1025841	HK	1025842
		HK	1025840	HK	1026766	HK	1026767
		HK	1035430	HK	1035434	HK	1035435
		JP	8063231	US	6246204	US	6252370
		US	6255795	US	6255796	US	6323935
		US	6329780	US	2002017890	JP	11251217

END OF ANNEX